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Abstract of the Disclosure

5 A method of determining the ability of a compound to
both bind to somatostatin type-5 receptor ("SSTR-5") and
inhibit amylin release. The method includes obtaining a
preparation, either a cell preparation or a membrane
10 preparation, which contains SSTR-5; incubating the
preparation, the compound, and a SSTR-5 ligand, at least one
of the ligand and the compound being detectably labeled;
determining the ability of the compound to compete against
the ligand for binding to SSTR-5; if and only if the
15 compound is determined to be able to bind to SSTR-5,
obtaining pancreatic cells; incubating the compound, the
pancreatic cells, and an amylin release stimulator under
conditions in which the amylin release stimulator would
induce release of amylin from the pancreatic cells; and
determining the ability of the compound to inhibit amylin
release. Also disclosed is a method of treating hyper-
amylinemia with a ligand selective for SSTR-5.

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